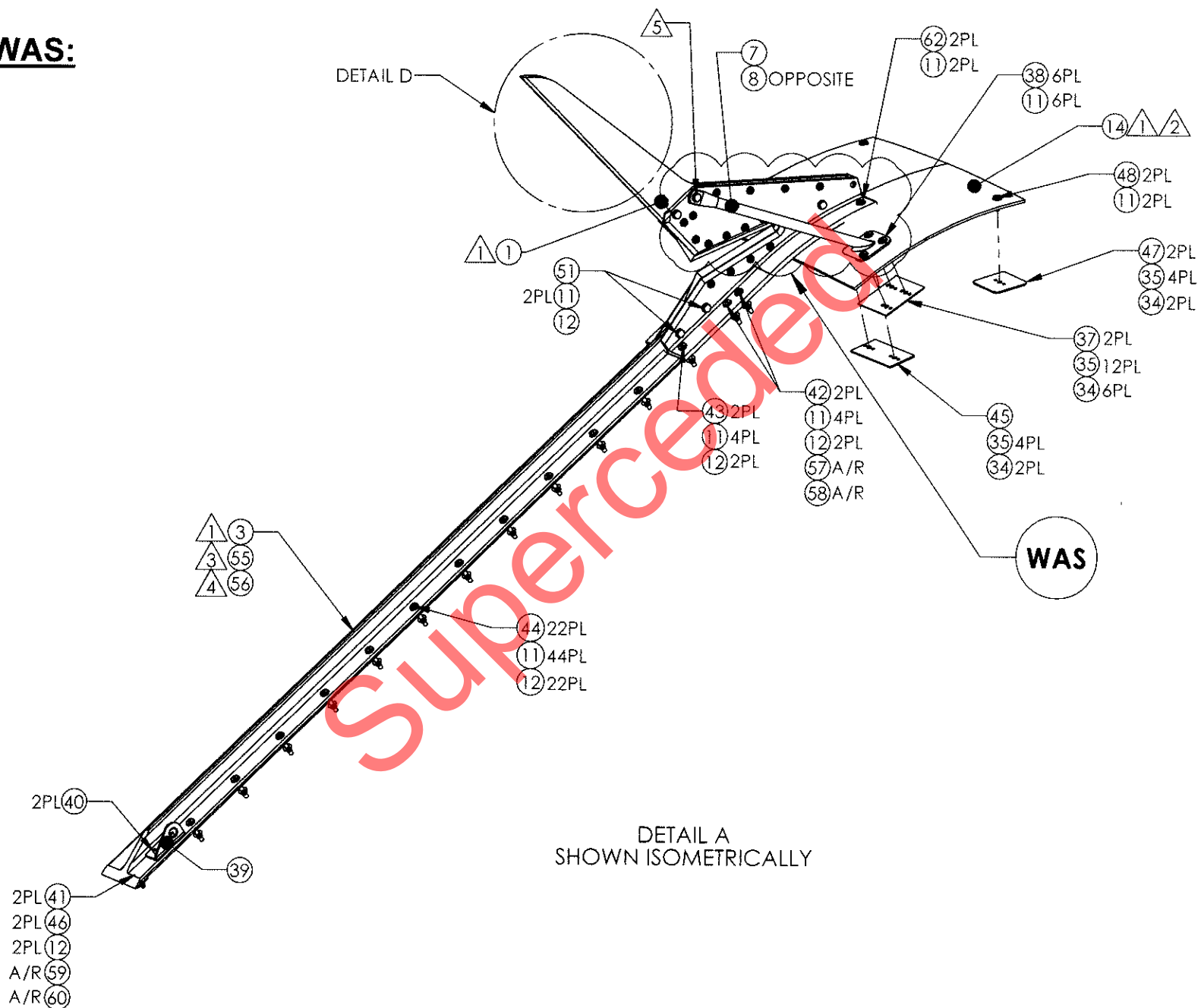


APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04731				SHEET 1 OF 2	
	DWG NO. 646.4000	REV: A	PREPARED BY J. SOTO	DATE: 11/04/2014		EFFECT ON DWG <input checked="" type="checkbox"/> INC. <input type="checkbox"/> UNINC.
	DWG TITLE: AS350 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>T. Bravo</i>	MFG <i>Dave Baker</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.					

76	A	601.2764	4	4	WASHER	NAS1149FN832P	
75	A	601.2973	2	2	LOCKNUT	MS21042-08	
74	A	601.2988	2	2	SCREW	MS27039-0813	
73	A	601.2943	2	2	LOCKNUT	MS21042-3	
72	A	601.3128	2	2	NUT	AN316C4R	
71	A	601.3209	2	2	LOCKNUT	MS21042L4	
70	A	601.2638	4	4	WASHER	NAS1149F0432P	
69	A	601.2669	2	2	BOLT	AN4C7A	
68	A	601.3119	2	2	CLEVIS	AN665-34R	
67	A	601.3121	2	2	EYE BOLT	AN44-57	
66	A	650.9201	2	2	EYE BRACKET ASSY		
51	R	601.2926	10	10	BOLT	AN3-11A	
12	R	601.1624	53	61	LOCKNUT	MS21042L3	
11	R	601.1607	120	138	WASHER	NAS1149F0332P	
8	R	647.7703	2	2	STRUT ASSY		
7	R	647.0112	2	2	STRUT BRACKET		
F/N TC	PART NUMBER	.4003	.4001				
		QTY			DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:					CHANGE CATEGORY		
<input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUCTIONS <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM					<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
DER REVIEW REQUIRED							

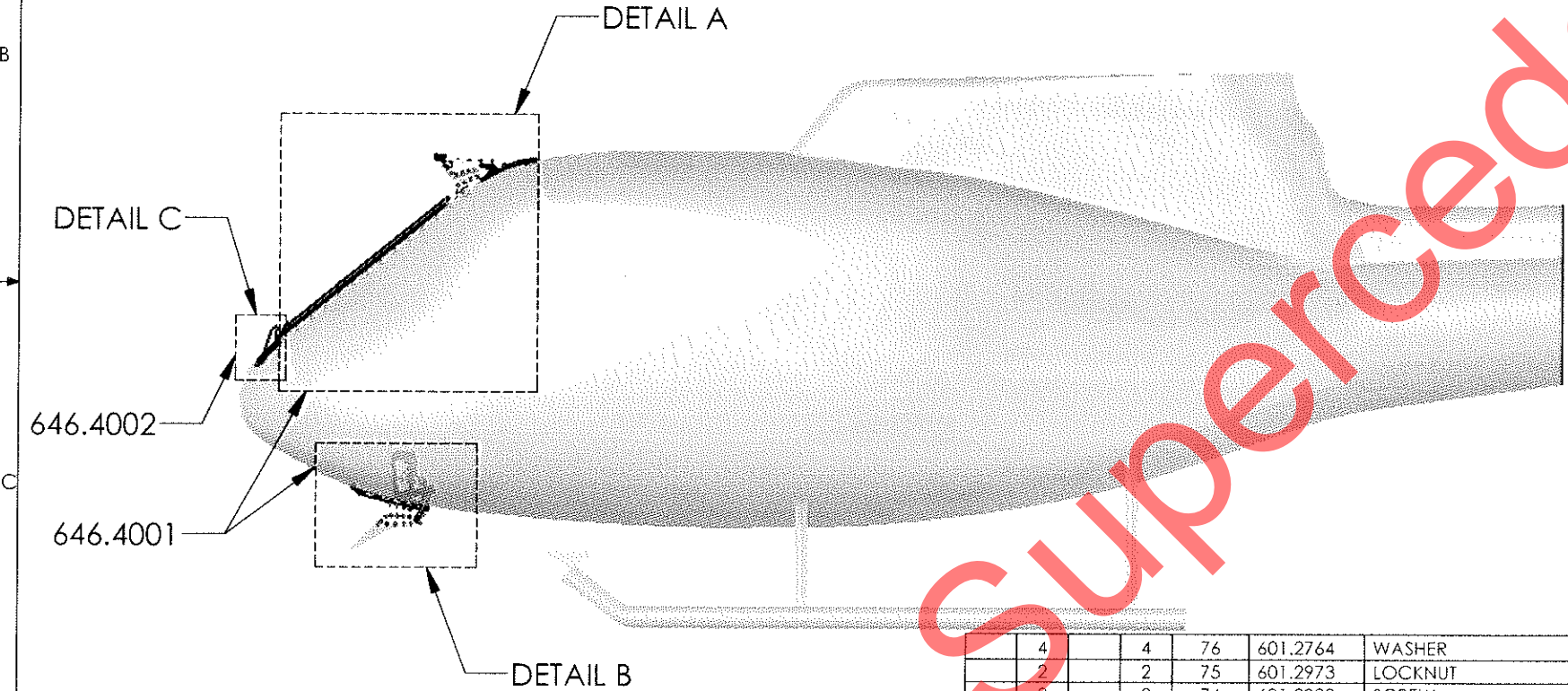
SHEET 2 WAS:

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN5 02199, 02351, 02719 & 02765	02/08/2010	P. BRAVO
B	INCORPORATED ECN 03046, 03079 & 04731	11/04/2014	P. BRAVO

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR : MCMaster-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1



4	4	76	601.2764	WASHER	NAS1149F03832 P	
2	2	75	601.2973	LOCKNUT	MS21042-08	
2	2	74	601.2988	SCREW	MS27039-0813	
2	2	73	601.2943	LOCKNUT	MS21042-3	
2	2	72	601.3128	NUT	AN316C4R	
2	2	71	601.3209	LOCKNUT	MS21042L4	
4	4	70	601.2638	WASHER	NAS1149F0432 P	
2	2	69	601.2669	BOLT	AN4C7A	
2	2	68	601.3119	CLEVIS	AN665-34R	
2	2	67	601.3121	EYE BOLT	AN44-5A	
2	2	66	650.9201	EYE BRACKET ASSY		
REF	REF	REF	65	647.5701	GPS MOUNT KIT	
	6		64	601.3151	WASHER	NAS1149F0383P
	2		63	601.2911	SCREW	MS24694553
2	2		62	601.2637	SCREW	MS27039-1-16
2	2		61	601.2763	BOLT	AN3-12A
1	1		60	646.3913	SHIM	
4	4		59	646.3912	SHIM	
1	1		58	646.3911	SHIM	
4	4		57	646.3910	SHIM	
5	5		56	600.1013	PRIMER	
.4004	.4003	.4002	.4001	FIND #	PART #	SPEC.

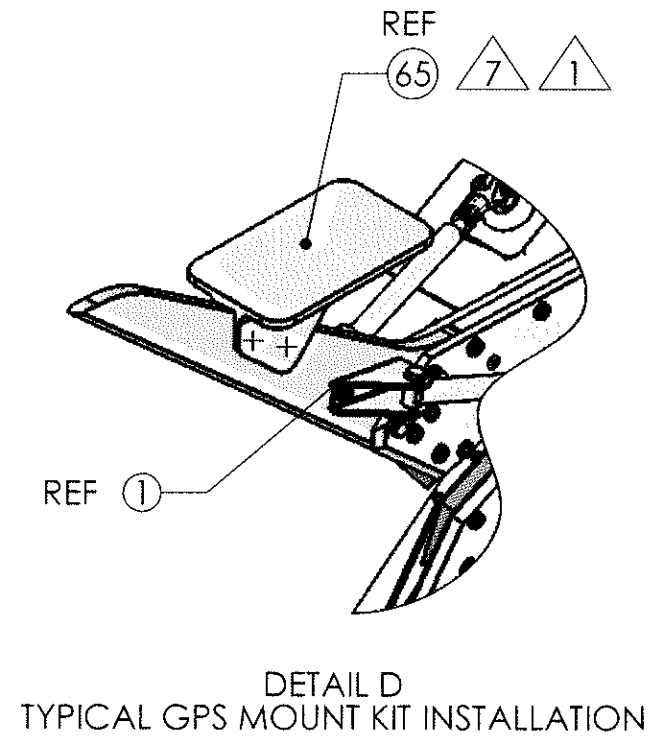
8 FT	8 FT	55	600.0129	VHB TAPE		
1	1	54	600.1012	SEALANT	PR-1425 CLASS B	
1	1	53	600.0991	MAGNOBOND 6398 PART B		
1	1	52	600.0990	MAGNOBOND 6398 PART A		
10	10	51	601.2826	BOLT	AN3-11A	
	2	50	646.3814	WIPER BRACKET		
	2	49	601.2910	SCREW	MS27039-1-18	
2	2	48	601.1365	SCREW	MS27039-1-10	
2	2	47	646.3719	DOUBLER		
2	2	46	646.3718	CUSTOM WASHER		
1	1	45	646.3717	DOUBLER		
22	2	44	601.1948	SCREW	MS27039-1-19	
2	2	43	601.1952	SCREW	MS27039-1-20	
4	4	42	601.1956	SCREW	MS27039-1-21	
2	2	41	601.2829	SCREW	MS24694554	
2	2	40	601.2831	RIVET	MS20426AD5-7	
1	1	39	646.3716	GAUGE BRACKET		
6	6	38	601.1953	SCREW	MS27039-1-12	
2	2	37	646.3715	STRUT DOUBLER		
2	2	36	601.2824	BOLT	AN3-5A	
36	36	35	601.2277	RIVET	CCR264SS-3-02	
18	18	34	600.0795	NUTPLATE	MS21047-3	
3	3	33	601.2565	RIVET	MS20470AD5-7	
1	1	32	646.3813	STRUT BRACKET		
4	4	31	601.2822	BOLT	AN3-3A	
2	2	30	646.3812	GUSSET BRACKET		
8	8	29	601.2564	RIVET	MS20470AD5-6	
1	1	28	646.3714	GUSSET		
1	1	27	646.3610	FILLER		
1	1	26	601.2830	SCREW	MS24694555	
2	2	25	601.2825	BOLT	AN3-6A	
1	1	24	646.3811	RADIUS BLOCK		
1	1	23	646.3712	CLIP		
1	1	22	646.3711	CLIP		
8	8	21	601.2832	RIVET	MS20470AD5-5.5	
14	14	20	601.2020	RIVET	CR3213-5-3	
10	10	19	601.2823	BOLT	AN3-4A	
1	1	18	601.2827	BOLT	AN3-13A	
5	5	17	601.2912	SCREW	MS24694551	
1	1	16	646.3713	GUSSET		
1	1	15	646.3210	SUPPORT		
1	1	14	646.3710	DOUBLER		
1	1	13	646.3110	CHANNEL		
8	53	6	601.1624	LOCKNUT	MS21042L3	
18	120	16	601.1607	WASHER	NAS1149F0332P	
		10	646.3410	LH WIPER DEFLECTOR		
		9	646.3411	RH WIPER DEFLECTOR		
2	2	8	647.7703	STRUT ASSY		
2	2	7	647.0112	STRUT BRACKET		
1	1	6	646.3511	STRUT		
2	1	5	646.3510	STRUT		
		4	646.3810	BRACKET		
1	1	3	646.2910	DEFLECTOR		
1	1	2	646.3001	LOWER CUTTER ASSY		
1	1	1	646.3301	UPPER CUTTER ASSY		
X			646.4004	FIXED PROVISIONS KIT		
X	X		646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS		
	X		646.4002	AS350 WIPER DEFLECTOR KIT		
	X		646.4001	AS350 CABLE CUTTERS KIT		
.4004	.4003	.4002	.4001	FIND #	PART #	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR)	08-27-08
		DRAWN BY	S. HUFF
		CHECKER	P. BRAVO
		DRAWING APPROVAL	
		CONTRACT NO.	
		UNLESS OTHERWISE SPECIFIED	
		DIMENSIONS ARE IN INCHES	
		TOLERANCES ARE:	
		2 PLACE DECIMALS ±.01	
		3 PLACE DECIMALS ±.005	
		ANGLES ±.5°	
		SIZE	B
		CAGE CODE	07MZ6
		DWG. NO.	646.4000
		REV.	B
		SCALE	NONE
		SHEET	1 OF 4

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

AS350 CABLE CUTTERS KIT

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



DETAIL D

2 PL 7
2 PL 74
4 PL 75
4 PL 76

2 PL 51
4 PL 11
2 PL 12

51 2 PL
11 4 PL
73 2 PL

62 2 PL
11 2 PL

69 2 PL
71 2 PL
70 4 PL
66 2 PL
67 2 PL

38 6 PL
11 6 PL

14 1 2

48 2 PL
11 2 PL

47 2 PL
35 4 PL
34 2 PL

37 2 PL
35 12 PL
34 6 PL

2 PL 68
2 PL 72

42 4 PL
11 8 PL
12 4 PL
57 A/R
58 A/R

43 2 PL
11 4 PL
12 2 PL

45
35 4 PL
34 2 PL

1 3
3 55
4 56

44 22 PL
11 44 PL
12 22 PL

2 PL 40

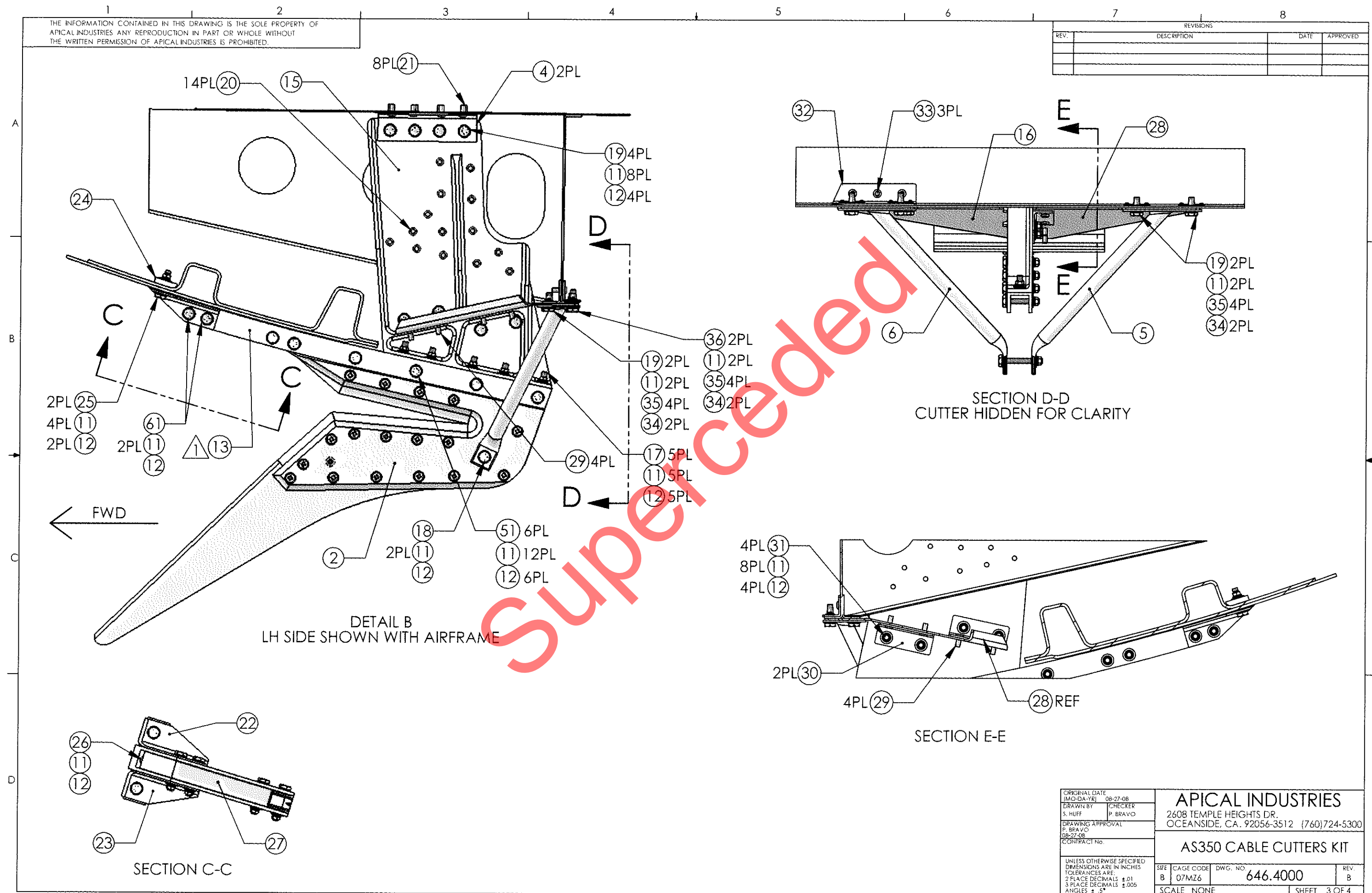
2 PL 41
2 PL 12
2 PL 46
A/R 59
A/R 60

DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE (MO-DA-YR) 08-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 2 OF 4	REV. B
SHEET B	CAGE CODE 07MZ6	DWG. NO. 646.4000	SCALE: NONE

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

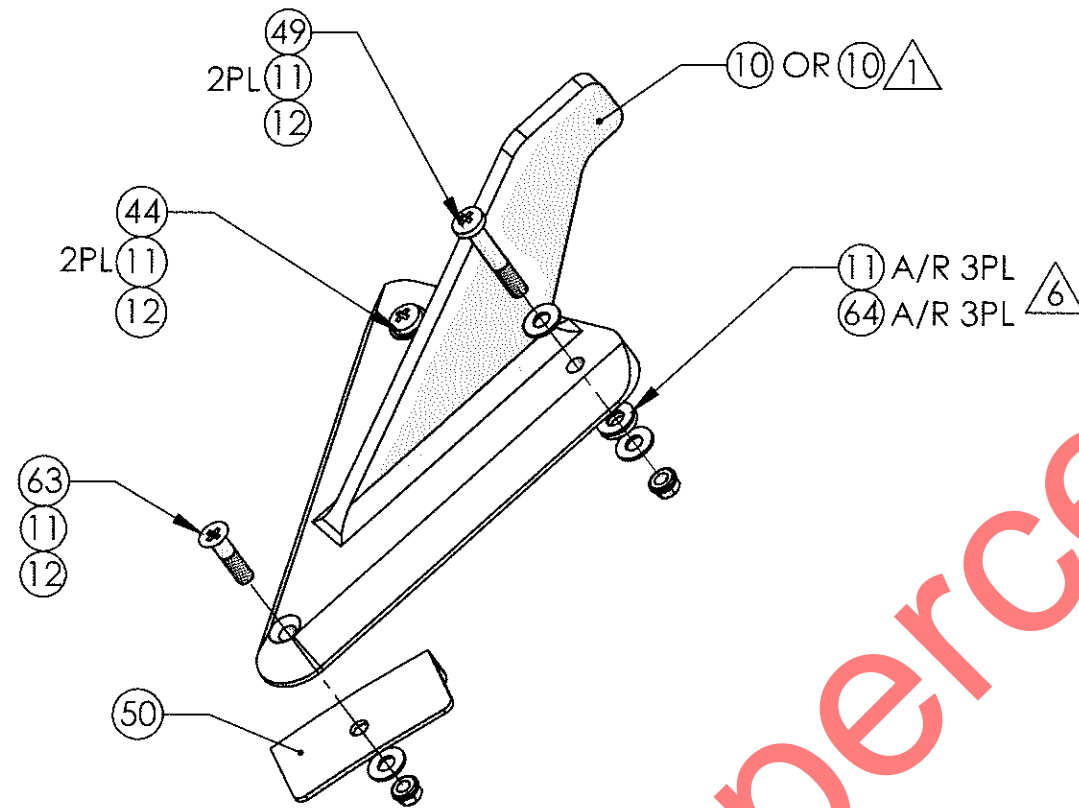
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE (MO-DA-YR) 08-27-08		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY S. HUFF	CHECKER P. BRAVO	AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO 08-27-08		SIZE B	REV. B
CONTRACT No.		CAGE CODE 07MZ6	DWG. NO. 646.4000
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SCALE NONE	SHEET 3 OF 4

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE 08-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO 08-27-08		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	
CONTRACT No.		SIZE B	REV. B
		CAGE CODE 07MZ6	DWG. NO. 646.4000
		SCALE NONE	SHEET 4 OF 4